(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization

International Bureau



(43) International Publication Date 29 July 2004 (29.07.2004)

PCT

(10) International Publication Number

(51) International Patent Classification7:

WO 2004/063078 A1

B66B 21/00

(21) International Application Number:

PCT/US2003/000411

(22) International Filing Date: 7 January 2003 (07.01.2003)

(25) Filing Language:

English

(26) Publication Language:

English

(71) Applicant (for all designated States except US): OTIS EL-EVATOR COMPANY [US/US]; Ten Farm Springs Road, Farmington, CT 06032 (US).

(72) Inventor; and

(75) Inventor/Applicant (for US only): FARGO, Richard, N. [US/US]; 12 Mohawk Road, Plainville, CT 06062 (US).

(74) Agents: GASKEY, David, J. et al.; Carlson, Gaskey & Olds, P.C., 400 West Maple Road, Suite 350, Birmingham, MI 48009 (US).

(81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN. YU, ZA, ZM, ZW.

(84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Declaration under Rule 4.17:

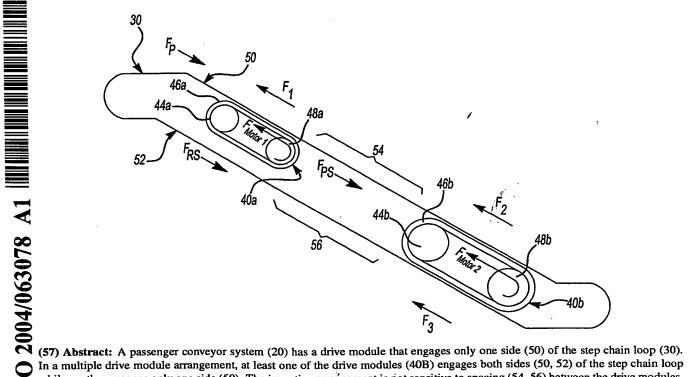
of inventorship (Rule 4.17(iv)) for US only

Published:

with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: PASSENGER CONVEYOR DRIVE MODULE ARRANGEMENT



In a multiple drive module arrangement, at least one of the drive modules (40B) engages both sides (50, 52) of the step chain loop while another engages only one side (50). The inventive arrangement is not sensitive to spacing (54, 56) between the drive modules. Another example embodiment includes a synchronizing module (60) that engages both sides (50, 52) of the step chain loop (30).

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US03/00411

A. CLASSIFICATION OF SUBJECT MATTER				
IPC(7) : B66B 21/00 US CL : 198/330				
According to International Patent Classification (IPC) or to both national classification and IPC				
B. FIELDS SEARCHED				
Minimum documentation searched (classification system followed by classification symbols) U.S.: 198/330				
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched				
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)				
C. DOCUMENTS CONSIDERED TO BE RELEVANT				
Category *	Citation of document, with indication, where appropriate, of the relevant passages			Relevant to claim No.
A	US 3,365,051 A (MULLIS et al.) 23 January 1968 (23.01.1968), all.			1-18
A	US 3,658,166 A (HARA et al.) 25 April 1972 (25.04.1972), all.			1-18
1				
:				
Further	r documents are listed in the continuation of Box C.		See patent family annex.	
* s	Special categories of cited documents:	"T"	later document published after the inte	ernational filing date or priority
"A" document of particu	t defining the general state of the art which is not considered to be plar relevance		date and not in conflict with the applic principle or theory underlying the inve	ention
"E" carlier ap	pplication or patent published on or after the international filing date	"X"	document of particular relevance; the considered novel or cannot be considered when the document is taken along	claimed invention cannot be ared to involve an inventive step
"L" document which may throw doubts on priority claim(a) or which is cited to establish the publication date of another citation or other special reason (as specified)		ettra.	when the document is taken alone	
		"Y" document of particular relevance; the considered to involve an inventive a combined with one or more other at		p when the document is
	t referring to an oral disclosure, use, exhibition or other means		being obvious to a person skilled in th	e art
P document published prior to the international filing date but later than the priority date claimed		"&"	document member of the same patent	family
Date of the actual completion of the international search		Date of mailing of the international search report 23 APR 2003		
21 71p11 2003 (21:04:2003)				
Name and mailing address of the ISA/US Commissioner of Patents and Trademarks		Authoriz	ed officer	
Box PCT		Joseph E. Valenza 🏒 🕡		
Washington, D.C. 20231 Facsimile No. (703)305-3230			ne No. (703) 308-1113	
Form PCT/ISA/210 (second sheet) (July 1998)				